

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/756,398

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".

- 2 Wrapped Aminos The amino acid number/text at the end of each line "wrapped " down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".

- 3 Incorrect Line Length The rules require that a line not exceed 72 characters in length. This includes spaces.

- 4 Misaligned Amino Acid The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs
Numbering between the numbering. It is recommended to delete any tabs and use spacing between the numbers.

- 5 Non-ASCII This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.

- 6 Variable Length Sequence(s) contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and
indicate in the (ix) feature section that some may be missing.

- 7 PatentIn ver. 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
sequence(s) . Normally, PatentIn would automatically generate this section from the
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section
to the subsequent amino acid sequence.

- 8 Skipped Sequences Sequence(s) missing. If intentional, please use the following format for each skipped sequence:
(OLD RULES) (2) INFORMATION FOR SEQ ID NO:X:
 (i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
 This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).

- 9 Skipped Sequences Sequence(s) missing. If intentional, please use the following format for each skipped sequence.
(NEW RULES) <210> sequence id number
 <400> sequence id number
 000

- 10 Use of n's or Xaa's Use of n's and/or Xaa's have been detected in the Sequence Listing.
(NEW RULES) Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

- 11 / Use of <213>Organism Sequence(s) All are missing this mandatory field or its response. *correct*
(NEW RULES)

- 12 Use of <220>Feature Sequence(s) are missing the <220>Feature and associated headings:
(NEW RULES) Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)

- 13 PatentIn ver. 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted
file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

OIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/756,398

DATE: 02/05/2001
 TIME: 14:25:45

Input Set : A:\0975.1005-006SEQLIST.TXT

Output Set: N:\CRF3\02052001\I756398.raw

**Does Not Comply
 Corrected Diskette Needed**

4 <110> APPLICANT: Junming Le
 5 Jan Vilcek
 6 Peter Daddona
 7 John Ghrayeb
 8 David M. Knight
 9 Scott Siegel
 11 <120> TITLE OF INVENTION: Anti-TNF Antibodies and Peptides of
 12 Human Tumor Necrosis Factor
 15 <130> FILE REFERENCE: 0975.1005-006
 C--> 17 <140> CURRENT APPLICATION NUMBER: US/09/756,398
 C--> 17 <141> CURRENT FILING DATE: 2001-01-08
 17 <150> PRIOR APPLICATION NUMBER: U.S. 09/133,119
 18 <151> PRIOR FILING DATE: 1998-08-12
 20 <150> PRIOR APPLICATION NUMBER: U.S. 08/570,674
 21 <151> PRIOR FILING DATE: 1995-12-11
 23 <150> PRIOR APPLICATION NUMBER: U.S. 08/324,799
 24 <151> PRIOR FILING DATE: 1994-10-18
 26 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,102
 27 <151> PRIOR FILING DATE: 1994-02-04
 29 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,861
 30 <151> PRIOR FILING DATE: 1994-02-04
 32 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,093
 33 <151> PRIOR FILING DATE: 1994-02-04
 35 <150> PRIOR APPLICATION NUMBER: U.S. 08/010,406
 36 <151> PRIOR FILING DATE: 1993-01-29
 38 <150> PRIOR APPLICATION NUMBER: U.S. 08/013,413
 39 <151> PRIOR FILING DATE: 1993-02-02
 41 <150> PRIOR APPLICATION NUMBER: U.S. 07/943,852
 42 <151> PRIOR FILING DATE: 1992-09-11
 44 <150> PRIOR APPLICATION NUMBER: U.S. 07/853,606
 45 <151> PRIOR FILING DATE: 1992-03-18
 47 <150> PRIOR APPLICATION NUMBER: U.S. 07/670,827
 48 <151> PRIOR FILING DATE: 1991-03-18
 50 <160> NUMBER OF SEQ ID NOS: 19
 52 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 54 <210> SEQ ID NO: 1
 55 <211> LENGTH: 157
 56 <212> TYPE: PRT
 57 <213> ORGANISM: peptide
 59 <400> SEQUENCE:
 60 Val Arg Ser Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His Val
 61 1 5 10 15
 62 Val Ala Asn Pro Gln Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg
 63 20 25 30
 64 Ala Asn Ala Leu Leu Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu
 65 35 40 45
 66 Val Val Pro Ser Glu Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe

Numeric identifier <213>
 can only be:
 1) scientific name
 "Genus Species"
 2) Artificial Sequence
 3) Unknown

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```

67      50      55      60
68 Lys Gly Gln Gly Cys Pro Ser Thr His Val Leu Thr His Thr Ile
69 65      70      75      80
70 Ser Arg Ile Ala Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala
71      85      90      95
72 Ile Lys Ser Pro Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys
73      100      105      110
74 Pro Trp Tyr Glu Pro Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys
75      115      120      125
76 Gly Asp Arg Leu Ser Ala Glu Ile Asn Arg Pro Asp Tyr Leu Asp Phe
77      130      135      140
78 Ala Glu Ser Gly Gln Val Tyr Phe Gly Ile Ile Ala Leu
79 145      150      155

```

82 <210> SEQ ID NO: 2

83 <211> LENGTH: 321

84 <212> TYPE: DNA

85 <213> ORGANISM: CDNA

87 <220> FEATURE:

88 <221> NAME/KEY: CDS

W--> 89 <222> LOCATION: (6)...(321)

91 <400> SEQUENCE: 2

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92 gac atc ttg ctg act cag tct cca gcc atc ctg tct gtg agt cca gga 48
93 Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly
94 1 5 10 15
96 gaa aga gtc agt ttc tcc tgc agg gcc agt cag ttc gtt ggc tca agc 96
97 Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
98 20 25 30
100 atc cac tgg tat cag caa aga aca aat ggt tct cca agg ctt ctc ata 144
101 Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
102 35 40 45
104 aag tat gct tct gag tct atg tct ggg atc cct tcc agg ttt agt ggc 192
105 Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
106 50 55 60
108 agt gga tca ggg aca gat ttt act ctt agc atc aac act gtg gag tct 240
109 Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
110 65 70 75 80
112 gaa gat att gca gat tat tac tgt caa caa agt cat agc tgg cca ttc 288
113 Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
114 85 90 95
116 acg ttc ggc tgc ggg aca aat ttg gaa gta aaa 321
117 Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
118 100 105

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121 <210> SEQ ID NO: 3

122 <211> LENGTH: 107

123 <212> TYPE: PRT

124 <213> ORGANISM: Protein

126 <400> SEQUENCE: 3...

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127 Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly
128 1 5 10 15

```

start range with 1

See page 1

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129 Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
 130 20 25 30
 131 Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Ile
 132 35 40 45
 133 Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
 134 50 55 60
 135 Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
 136 65 70 75 80
 137 Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
 138 85 90 95
 139 Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
 140 100 105

143 <210> SEQ ID NO: 4

144 <211> LENGTH: 357

145 <212> TYPE: DNA

146 <213> ORGANISM: DNA

148 <220> FEATURE:

149 <221> NAME/KEY: CDS

W--> 150 <222> LOCATION: 107...(357)

152 <400> SEQUENCE: 4

153 gaa gtg aag ctt gag gag tct gga gga ggc ttg gtg caa cct gga gga 48

154 Glu Val Lys Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly

155 1 5 10 15

157 tcc atg aaa ctc tcc tgt gtt gcc tct gga ttc att ttc agt aac cac 96

158 Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His

159 20 25 30

161 tgg atg aac tgg gtc cgc cag tct cca gag aag ggg ctt gag tgg gtt 144

162 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val

163 35 40 45

165 gct gaa att aga tca aaa tct att aat tct gca aca cat tat gcg gag 192

166 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu

167 50 55 60

169 tct gtg aaa ggg agg ttc acc atc tca aga gat gat tcc aaa agt gct 240

170 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala

171 65 70 75 80

173 gtc tac ctg caa atg acc gac tta aga act gaa gac act ggc gtt tat 288

174 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr

175 85 90 95

177 tac tgt tcc agg aat tac tac ggt agt acc tac gac tac tgg ggc caa 336

178 Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln

179 100 105 110

181 ggc acc act ctc aca gtc tcc 357

182 Gly Thr Thr Leu Thr Val Ser

183 115

186 <210> SEQ ID NO: 5

187 <211> LENGTH: 119

188 <212> TYPE: PRT

189 <213> ORGANISM: Protein

191 <400> SEQUENCE: 5

RAW SEQUENCE LISTING

DATE: 02/05/2001

PATENT APPLICATION: US/09/756,398

TIME: 14:25:45

Input Set : A:\0975.1005-006SEQLIST.TXT

Output Set: N:\CRF3\02052001\I756398.raw

```

192 Glu Val Lys Leu Glu Ser Gly Gly Leu Val Gln Pro Gly Gly
193 1 5 10 15
194 Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
195 20 25 30
196 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
197 35 40 45
198 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
199 50 55 60
200 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Ser Lys Ser Ala
201 65 70 75 80
202 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
203 85 90 95
204 Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
205 100 105 110
206 Gly Thr Thr Leu Thr Val Ser
207 115

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210 <210> SEQ ID NO: 6

211 <211> LENGTH: 8

212 <212> TYPE: PRT

213 <213> ORGANISM: Protein

215 <400> SEQUENCE: 6

216 Gly Thr Leu Val Thr Val Ser Ser

217 1 5

220 <210> SEQ ID NO: 7

221 <211> LENGTH: 7

222 <212> TYPE: PRT

223 <213> ORGANISM: Protein

225 <400> SEQUENCE: 7

226 Gly Thr Lys Leu Glu Ile Lys

227 1 5

230 <210> SEQ ID NO: 8

231 <211> LENGTH: 20

232 <212> TYPE: DNA

233 <213> ORGANISM: CDNA

235 <400> SEQUENCE: 8

236 cctggataacc tgtgaaaaga

20

238 <210> SEQ ID NO: 9

239 <211> LENGTH: 27

240 <212> TYPE: DNA

241 <213> ORGANISM: CDNA

243 <400> SEQUENCE: 9

244 cctggtacct tagtcacogt ctctcca

27

246 <210> SEQ ID NO: 10

247 <211> LENGTH: 27

248 <212> TYPE: DNA

249 <213> ORGANISM: CDNA

251 <400> SEQUENCE: 10

252 aatagatatc tccttcaaca cctgcaa

27

254 <210> SEQ ID NO: 11

RAW SEQUENCE LISTING DATE: 02/05/2001
 PATENT APPLICATION: US/09/756,398 TIME: 14:25:45

Input Set : A:\0975.1005-006SEQLIST.TXT
 Output Set: N:\CRF3\02052001\I756398.raw

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255 <211> LENGTH: 21
256 <212> TYPE: DNA
257 <213> ORGANISM: cDNA
259 <400> SEQUENCE: 11
260 atcgggacaa agttggaaat a
262 <210> SEQ ID NO: 12
263 <211> LENGTH: 16
264 <212> TYPE: DNA
265 <213> ORGANISM: cDNA
267 <400> SEQUENCE: 12
268 ggcgggtctgg taccgg
270 <210> SEQ ID NO: 13
271 <211> LENGTH: 19
272 <212> TYPE: DNA
273 <213> ORGANISM: cDNA
275 <400> SEQUENCE: 13
276 gtcaacaaca taqtcacaa
278 <210> SEQ ID NO: 14
279 <211> LENGTH: 23
280 <212> TYPE: DNA
281 <213> ORGANISM: cDNA
283 <400> SEQUENCE: 14
284 cacagggtgtg tccccaggga aaa
286 <210> SEQ ID NO: 15
287 <211> LENGTH: 18
288 <212> TYPE: DNA
289 <213> ORGANISM: cDNA
291 <400> SEQUENCE: 15
292 aatctgggggt aggcacaa
294 <210> SEQ ID NO: 16
295 <211> LENGTH: 17
296 <212> TYPE: DNA
297 <213> ORGANISM: cDNA
299 <400> SEQUENCE: 16
300 agtgtgtgtc cccaagg
302 <210> SEQ ID NO: 17
303 <211> LENGTH: 24
304 <212> TYPE: DNA
305 <213> ORGANISM: cDNA
307 <400> SEQUENCE: 17
308 cacagctgcc cgcccagggtg gcat
310 <210> SEQ ID NO: 18
311 <211> LENGTH: 17
312 <212> TYPE: DNA
313 <213> ORGANISM: cDNA
315 <400> SEQUENCE: 18
316 gtcgccagtg ctccctt
318 <210> SEQ ID NO: 19
319 <211> LENGTH: 20

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21
16
19
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18
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24
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See page 1

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/756,398

DATE: 02/05/2001

TIME: 14:25:46

Input Set : A:\0975.1005-006SEQLIST.TXT

Output Set: N:\CRF3\02052001\I756398.raw

L:17 M:270 C: Current Application Number differs, Replaced Current Application No
L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:89 M:351 W: Sequence data Name/Key Feature Out-of-Range, SEQ ID#:2, CDS LOCATION: (0)...(321)
L:150 M:351 W: Sequence data Name/Key Feature Out-of-Range, SEQ ID#:4, CDS LOCATION: (0)...(357)